 1646

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Tupler et al. Art Unit : 1646
Serial No. : 10/686,491 Examiner : Unknown
Filed : October 14, 2003
Title : METHODS OF DETECTING AND TREATING FACIOSCAPULOHUMORAL MUSCULAR DYSTROPHY

MAIL STOP AMENDMENT
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INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449.

This statement is being filed before the receipt of a first Office Action on the merits.

Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 07917-180001.

Respectfully submitted,

Date: 11-30-2004

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07917-180001	Application No. 10/686,491
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Tupler et al.	
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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	B1							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	C1	Bauer et al., "Adenine nucleotide translocase-1, a component of the permeability transition pore, can dominantly induce apoptosis," J. Cell Biol. 27:1493–502 (1999)
	C2	Bennett et al., "Susceptibility to human type 1 diabetes at *IDDM2* is determined by tandem repeat variation at the insulin gene minisatellite locus," Nat. Genet. 9:284–92 (1995)
	C3	Blair et al., "A transcript map encompassing a susceptibility locus for bipolar affective disorder on chromosome 4q35," Mol. Psychiatry, 7:867-73(2002)
	C4	Chung et al., "Characterization of the chicken β-globin insulator," Proc. Natl. Acad. Sci. USA 94:575–80 (2002)
	C5	Clark et al., "Analysis of the organisation and localisation of the FSHD-associated tandem array in primates: implications for the origin and evolution of the 3.3 kb repeat family," Chromosoma 105:180–89 (1996)
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	C7	Dunger et al., "Association of the INS VNTR with size at birth. ALSPAC study team. Avon longitudinal study of pregnancy and childhood," Nat. Genet. 19:98–100 (1998)
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	C11	Hsu et al., "Application of chromosome 4q35- qter marker (pFR-1) for DNA rearrangement of facioscapulohumeral muscular dystrophy patients in Taiwan," J. Neurol. Sci. 149:73–79 (1997)
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	C15	Lehming et al., "Chromatin components as part of a putative transcriptional repressing complex," Proc. Natl. Acad. Sci. USA 95:7322–26 (1998)

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	C16	Lunt, "44th ENMC international workshop: facioscapulohumeral muscular dystrophy: molecular studies," Naarden, The Netherlands. Neuromuscul. Disord. 8:126–30 (1996)
	C17	Lunt et al., "Correlation between fragment size at D4F104S1 and age at onset or at wheelchair use, with a possible generational effect, accounts for much phenotypic variation in 4q35-facioscapulohumeral muscular dystrophy (FSHD)," Hum. Mol. Genet. 4:951–58 (1995)
	C18	Lyle et al., "The FSHD associated repeat, D4Z4, is a member of a dispersed family of homeobox-containing repeats, subsets of which are clustered on the short arms of the acrocentric chromosomes," Genomics 28:389–97 (1995)
	C19	Morcos, "Achieving efficient delivery of morpholino oligos in cultured cells," Genesis 30:94–102 (2001)
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	C24	Sandri et al., "Caspase 3 expression correlates with skeletal muscle apoptosis in Duchenne and facioscapulo human muscular dystrophy. A potential target for pharmacological treatment?" J. Neuropathol. Exp. Neurol. 60:302–312 (2001)
	C25	Sarfarazi et al., "Regional mapping of facioscapulohumeral muscular dystrophy gene on 4q35: combined analysis of an international consortium," Am. J. Hum. Genet. 51(2):396-403 (1992)
	C26	Schulz et al., "Identification of nucleolin as a glucocorticoid receptor interacting protein," Biochem. Biophys. Res. Commun. 280:476–80 (2001)
	C27	Tawil et al., "Evidence for anticipation and association of deletion size with severity in facioscapulohumeral muscular dystrophy," The FSH-DY Group. Ann. Neurol. 39:744–748 (1996)
	C28	Tews and Goebel, "DNA-fragmentation and expression of apoptosis-related proteins in muscular dystrophies," Neuropathol. Appl. Neurobiol. 23:331–338 (1997)
	C29	Thomas and Travers, "HMG1 and 2, and related 'architectural' DNA-binding proteins," Trends Biochem. Sci. 3:167–174 (2001)
	C30	Thomas and Seto, "Unlocking the mechanisms of transcription factor YY1: are chromatin modifying enzymes the key?" Gene 236:197–208 (1999)
	C31	Tupler et al., "Monosomy of distal 4q does not cause facioscapulohumeral muscular dystrophy," J. Med. Genet. 33:366–70 (1993)
	C32	Tupler et al., "Profound misregulation of muscle-specific gene expression in facioscapulohumeral muscular dystrophy," Proc: Natl. Acad. Sci. USA 96:12650–54 (1999)
	C33	van Deutekom et al., "Identification of the first gene (FRG1) from the FSHD region on human chromosome 4q35," Hum. Mol. Genet. 5:581–90 (1996)
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	C36	Wijmenga et al., "Chromosome 4q DNA rearrangements associated with facioscapulohumeral muscular dystrophy," Nat. Genet. 2(1):26-30 (1992)
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	C38	Xie et al., "Human hematopoietic cell specific nuclear protein MNDA interacts with the multifunctional transcription factor YY1 and stimulates YY1 DNA binding," J. Cell. Biochem. 70:489–506 (1998)
	C39	Yant et al., "High affinity YY1 binding motifs: identification of two core types (ACAT and CCAT) and distribution of potential binding sites within the human beta globin cluster," Nucleic Acids Res. 23(21):4353-62 (1995)
	C40	Ying et al., "Nucleolin, a novel partner for the Myb transcription factor family that regulates their activity," J. Biol. Chem. 275:4152–58 (2000)
	C41	Zatz et al., "High proportion of new mutations and possible anticipation in Brazilian facioscapulohumeral muscular dystrophy families," Am. J. Hum. Genet. 56:99–105 (1995)

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